tion, 1.74, is 1.93 below the September average for a period of twenty-one years; in only three years of the record has the 2.45 and 3 a.m. on the 29th. At Lake View snow fell on the September precipitation been smaller.

Variety Mills, Nelson county: monthly precipitation, 0.04, is 3.38 below the September average for the last six years. In no month during the last ten years has the rainfall been as

small as that for September, 1884.

West Virginia.—Helvetia, Randolph county: monthly precipitation, 0.92, is 3.40 below the September average for the last eight years. The smallest September precipitation previously recorded is 1.37 for 1881.

Hail is reported to have fallen in the various states and ter' ritories as follows:

Arkansas.—Lead Hill, 19th.

California.—Sacramento, 30th; Cape Mendocino, 29th. Colorado.—Pike's Peak, 23d.

Dakota.-Webster, 26th.

Illinois.—Swanwick, 22d; Bunker Hill, 16th.

Indiana.—Vevay, 27th; Greencastle, 23d.

Independence, 22d; Cresco, 23d; Manchester, 10th; Dubuque, 23d; Keokuk, 22d; Des Moines, 9th.

Kansas.—Westmoreland, 27th; Independence, 19th; Man-

hattan, 6th; Allison, 4th.

Kentucky.—Frankfort, 9th.

Nebraska.—Genoa, 18th; Omaha, 26th.

Nevada .- Fort McDermit, 9th.

New Hampshire.—Mount Washington, 20th. New York.—Le Roy, 2d; Menand Station (near Albany), 20th.

North Carolina.—Flat Rock, 22d.

Pennsylvania.—Erie: a severe hail-storm occurred between 5.30 and 6.30 p. m. on the 20th. The hail-stones were generally small, the largest being the size of hickory nuts. storm passed off over the lake. No bail fell at points ten miles south and five miles east of Erie; hail fell at Catawissa on the 28th.

Texas. - Fort Concho, 10th. Utah.-Salt Lake City, 14th.

Virginia.—Wytheville, 9th.

Washington Territory.—Pysht, 14th.

Wisconsin.—Sussex, 10th; Madison, 10th; Milwaukee, 10th; La Crosse, 21st.

Wyoming.—Fort Bridger, 8th.

SNOW.

Snow fell during September, as follows:

California.—Red Bluff: the mountains north and east of this place were covered with snow on the morning of the 9th.

Colorado.—On the summit of Pike's Peak, snow fell on the 1st, 22d, 23d, 26th, and 27th.

Georgetown, 26th: the first snow of the season fell here on this date.

Denver: a fierce snow storm occurred on Long's Peak during the evening of the 23d. A heavy snow storm prevailed in the mountains of western Colorado on the 26th.

Dakota.—Deadwood: light rain, with occasional sleet and

light snow, fell from 10 a.m. to 8 p.m. on the 29th.

Montana.—Fort Maginnis: light snow began falling during the night of the 5-6th, and ended at 7 a.m. of the 6th; on the 7th light snow fell from 11 a.m. to 1 p.m., and again during the night of the 8th.

Fort Assinaboine: snow was observed on the mountains, about thirty miles north of this station, on the 7th; the Sweet Grass mountains, eighty-five miles north, were also covered.

Fort Ellis, 3d to 7th, 28th.

New Hampshire.—On the summit of Mount Washington:

light snow fell from 5.58 to 6.50 p. m. on the 20th.

Nova Scotia.—Halifax, 15th: it is reported that five inches of snow fell at Spring Hill, Cumberland county, on the 14th; at Truro, snow fell to a depth of two inches.

Oregon.—East Portland: large flakes of snow fell between 6th and 30th.

Utah.—Salt Lake City: snow fell on the mountains surrounding this place on the 7th. Reports from Bute state that snow fell to a depth of six inches at that place on the 6th.

Wyoming.—Fort Bridger, 8th, 9th and 26th.

MONTHLY SNOW-FALLS.

[Expressed in inches and tenths.]

The following monthly snow-falls have been reported.

California.—Cisco, 14.0; Summit, 11.0.

Colorado:—On the summit of Pike's Peak, 4.3; traces remaining on the ground at the end of the month.

Nevada.—Otego, 6.0; Toano, 4.0; Wells, 2.5.

SLEET.

Pike's Peak, Colorado, 3d, 4th. Deadwood, Dakota, 29th.

Fort Ellis, Montana, 25th.

Mount Washington, New Hampshire, 20th.

Table of rainy and cloudy days, relative humidily, and dew-point for Sept., 1884

Districts,	Rainy days.	Cloudy days,	Rel, humidity, *	Dew-point.	
	From 5 to 12 2 9 3 17 5 21 6 15		Rel, humidity, o Percentagee, From 71.2 to 83.5 " 62.8 "80.1 " 61.1 "83.2 " 74.7 "77.1 " 65.1 "77.1 " 62.3 "73.7 " 71.0 "80.7 " 71.0 "80.7 " 71.6 "83.4 " 68.6 "78.3 " 68.6 "78.3 " 68.8 "79.7 " 58.0 "74.8	From 49.3 to 59.9 " 56.8 " 65.6 " 59.3 " 71.4 " 71.1 " 74.2 " 67.5 " 74.6 " 70.6 " 73.8 " 50.6 " 63.4 " 53.6 " 62.4 " 49.4 " 57.4 " 40.3 " 47.6 " 55.4 " 65.7	
Missouri Valey. Middle slope	" 2 " 14 " 2 " 10 " 7 " 16 " 4 " 9 " 8 " 15 " 11 " 21 " 2 " 5 " 0 " 1 Seventeen Four	" 0 " 13 " 0 " 3 " 5 " 9 " 1 " 4 " 1 " 7 " 9 " 13 " 0 " 5 " 2 " 3 None Une Four	42.6 " 79.8 41.2 " 62.5 " 65.6 " 64.3 " 64.6 " 60.0 " 64.3 " 78.7 " 88.5 " 46.4 " 81.0 " 72.5 " 74.7	29.7 " 50.5" 37.7 " 56.4" 55.6 " 63.5" 34.7 " 52.4" 38.1 " 42.5" 48.4 " 51.6" 43.0 " 52.1"	

• Relative humidity corrected for altitude

COTTON REGION REPORTS.

In the table below are given the average precipitation and the means of the maximum and minimum temperatures for September, 1884, with the September averages for the two preceding years, in the several cotton growing districts. The reports from the district of Galveston are missing. In the districts of New Orleans, Charleston, Memphis, Vicksburg, and Little Rock, the precipitation was excessive and in the remaining districts it was deficient. The temperature was generally higher than the mean for the two preceding years in all of the districts.

Temperature and rianfall data for the cotton districts, September.

Rainfall.			Temperature.								
Disentes	years.		Departures.	Maximum,		Minimum.					
	Average for Sept. two preceding year Average for Sept., 1884.	Mean for Sept. of two preceding years.		for Sept., 884.	Mean for Sept., 1854. Departures.	Iean for Sept. of two preced- ing years.	for Sept., 1884.	tures.	Extremes for Sept., 1884.		
				Mean		Mean of tw ing y		Departures.	Max.	Min.	
New Orleans	1.93	2.67	+ 0.74	87.6	90.6	‡3.0 1.6	64.0	69°3	+ 5.3	99	53 42
Savannah	3.52	2.34	1.18	86.8	88.4		66.4	65.7	— ō.7 !	99 98 93 98	42
Charleston	4.06	0.54	+ 2.48 - 1.92	84.6 82.8	85.6 87.6	1.8	61.7	66.0 63.7	+ 3.0 + 2.0	93	54 44
Wilmington		3.32	— 3.10	80.7	85.8	+ 5.1	62.0	62.1	T 0.1	99	43
Memphis	1.37	2.06	+ 0.69	84.0	85.8 88.1	+ 4.1	58.3	64.3	+ 6.0	100	45
Galveston	3.04			87.8			65,0			*******	
Vicksburg		2.56	+ 1.14	87.0	91.0	 4 .º	61.4	67.4	+ 6.º	98	55
Montgomery Augusta		2.33	- 1.73 - 0.55	85.4 84.4	90.0 87.6	+ 4.6 + 3.2	61.4 64.0	66.0 64.0	+ 4.6	108	45 44
Little Rock		2.90	+ 1.48	85.5	88.5	7 3.0	56.2	63.0	+ 6.8	99	29
Mobile	1.02	0.45	- 0.57	85.5 88.8	90.4	+ 1.6	62.8	66.0	+ 3.2	9 8	51